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U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTORNEY'S DOCKET NUMBER

TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371

MR2685-94

U.S. APPLICATION NO. (if known, see 37 CFR 1.5

09/890257

INTERNATIONAL APPLICATION NO.

PCT/KR01/0105

INTERNATIONAL FILING DATE

13 June 2001

PRIORITY DATE CLAIMED

13 June 2000

TITLE OF INVENTION AUTHENTICATION SYSTEM FOR CONNECTING CLIENT TO SERVER  
PROVIDING PARTICULAR INFORMATION USING DEDICATED SYSTEM AND METHOD THEREFOR

APPLICANT(S) FOR DO/EO/US

EUN SEOG LEE

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☐ The US has been elected by the expiration of 19 months from the priority date (Article 31).
5. ☐ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
  - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
  - a. ☐ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

## Items 11 to 20 below concern document(s) or information included:

11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☒ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☐ A **FIRST** preliminary amendment.
14. ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
15. ☐ A substitute specification.
16. ☐ A change of power of attorney and/or address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.
18. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. ☐ Other items or information:

U.S. APPLICATION NO. (37 CFR 1.53)

09/890257

INTERNATIONAL APPLICATION NO.

ATTORNEY'S DOCKET NUMBER

21. ☒ The following fees are submitted:**BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):**Neither international preliminary examination fee (37 CFR 1.482)  
nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO  
and International Search Report not prepared by the EPO or JPO..... \$1000.00International preliminary examination fee (37 CFR 1.482) not paid to  
USPTO but International Search Report prepared by the EPO or JPO ..... \$860.00International preliminary examination fee (37 CFR 1.482) not paid to USPTO  
but international search fee (37 CFR 1.445(a)(2)) paid to USPTO ..... \$710.00International preliminary examination fee (37 CFR 1.482) paid to USPTO  
but all claims did not satisfy provisions of PCT Article 33(1)-(4) ..... \$690.00International preliminary examination fee (37 CFR 1.482) paid to USPTO  
and all claims satisfied provisions of PCT Article 33(1)-(4) ..... \$100.00**ENTER APPROPRIATE BASIC FEE AMOUNT =**

CALCULATIONS PTO USE ONLY

\$ 1,000.00

Surcharge of \$130.00 for furnishing the oath or declaration later than ☐ 20 ☐ 30  
months from the earliest claimed priority date (37 CFR 1.492(e)).

\$

CLAIMS NUMBER FILED NUMBER EXTRA RATE \$

Total claims 12 - 20 = -- x \$18.00 \$ --

Independent claims 2 - 3 = -- x \$80.00 \$ --

MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$270.00 \$ 270.00

**TOTAL OF ABOVE CALCULATIONS =**

\$ 1,270.00

☒ Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above  
are reduced by 1/2. + \$**SUBTOTAL =**

\$ 635.00

Processing fee of \$130.00 for furnishing the English translation later than ☐ 20 ☐ 30  
months from the earliest claimed priority date (37 CFR 1.492(f)).

\$

**TOTAL NATIONAL FEE =**

\$ 635.00

Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be  
accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +

\$

40.00

**TOTAL FEES ENCLOSED =**

\$ 675.00

Amount to be  
refunded: \$

charged: \$

- a. ☒ A check in the amount of \$ 675.00 to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ to cover the above fees.  
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any  
overpayment to Deposit Account No. 18-2011. A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card  
information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR  
1.137 (a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

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SIGNATURE

Morton J. Rosenberg

NAME

26,049

REGISTRATION NUMBER

AUTHENTICATION SYSTEM FOR CONNECTING CLIENT TO SERVER  
PROVIDING PARTICULAR INFORMATION USING DEDICATED SYSTEM AND  
METHOD THEREFOR

5           Technical Field

The present invention relates to an authentication system for connection to a server providing particular information using a dedicated system, and a method therefor, and more particularly, to an authentication system and method therefor, in which a dedicated system is installed to allow only a computer system which is monopolistically and exclusively supplied by a company operating an information providing server to be used to access the server providing particular information, with a result that a client computer system which is connected to a server providing information via the Internet to receive desired information from the server includes an authentication system which generates a specific registration code of the system, and that only a corresponding system can use information provided from the information providing server without limitation.

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15  
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Background Art

In general, a computer system is configured having a server connected by a client via the Internet, for providing information to the client and a client connected to the server via the Internet, for receiving information from the

25

server, in which the server is a server dedicated system and the client is a general PC.

In other words, a particular computer system is not required in order to utilize the Internet, but a computer  
5 system having a web browser as an Internet emulator can be connected with any computer system via the Internet to search for information.

In particular, in the case of a monitor which is in relation with the present invention, there are various types  
10 of monitors of various designs and models manufactured by various manufacturers. However, such various types of monitors do not have any individually particular functions other than a function of displaying user's work contents thereon.

15 Thus, assuming that an operator running an information providing server provides users with particular information for pay or free and covers the expenses necessary for operation of the information providing server system by incomes made via on-line advertises, the users which become  
20 advertising objects should watch the advertises provided by the system server necessarily. That is, when contents are provided to computer users via a monitor having a main screen and an auxiliary screen, a person providing contents, that is, a system server operator provides the above  
25 monitors to users for free, to thereby enable the users to see advertises displayed on the auxiliary screen of the monitor and the system server operator to obtain advertising

incomes, in which case there are problems that the users should see the advertises.

Meanwhile, a process of allowing users to access a particular information providing server and ascertaining whether he or she is a member who is allowed to access the server and obtain the particular information, is to register as a member, in which a member ID (identification) and a secret number should be registered to utilize contents. The member registration method is performed by software. Even in the case that an advertising effect is maximized by using a monitor (hereinafter referred to as a double monitor) having a main screen and an auxiliary screen proposed in the above patent applications filed by the same applicant, only software member identification method cannot check whether users use the double monitors. As a result, various contents cannot but be provided to users who use a general monitor from the system server.

Thus, users who use the above double monitor can see advertises displayed on the auxiliary screen but users who use the general single monitor cannot see the advertises since advertising contents are not supplied to the users even though the users using the single monitor access the home page of the system server. Accordingly, the advertising effect is lowered in view of the system server operator.

## Disclosure of the Invention

To solve the above problems, it is an object of the present invention to provide an authentication system for connection to a server providing particular information using a dedicated system, and a method therefor, in which users who access a system server providing particular information and desire to utilize a plurality of contents should use particular monitor provided by the system server operator necessarily in order to receive information from the system server, to thereby maximize an advertising effect of the advertises provided by the system server operator.

To accomplish the above object of the present invention, there is provided an authentication system for connection to a particular information providing server using a dedicated system, the authentication system comprising: at least one user computer connected to the Internet, for generating a registration code for authenticating the user computer necessary for a log-in process in order to receive information having a particular format; and a system server which receives the registration code of the user computer and ascertains whether or not the user computer is registered, in the case that the system server is accessed by the user computer via the Internet.

According to another aspect of the present invention, there is also provided an authentication method for connection to a particular information providing server using a dedicated system, the authentication method

comprising the steps of: generating a registration code for authenticating a user computer system if the user computer system is turned on; requesting each user computer connected to a system server to send a registration code, if a user  
5 computer accesses the system server providing particular information via the Internet, thereby checking whether the user computer adopts a dedicated system which can use information of the system server; and providing information of the system server to the user computer after ascertaining  
10 whether or not the user computer adopts the dedicated system which can use the information of the system server.

The present invention having the above-described configuration adds a function of generating an authentication code for a user computer which accesses an  
15 information providing server which provides particular information and receives user desired information, to the user computer. As a result, information can be utilized with only a dedicated system provided by an information providing server operator, to thereby maximize an  
20 advertising effect by enhancing an efficiency of advertises information included in the information.

#### Brief Description of the Drawings

The above object and other advantages of the present  
25 invention will become more apparent by describing the preferred embodiments thereof in more detail with reference to the accompanying drawings in which:

FIG. 1 is block diagram showing a system for explaining a PnP (plug and play) function of a PC (personal computer);

FIG. 2 is a diagram for explaining the structure of PnP data in a double monitor according to an embodiment of the present invention;

FIG. 3 is a block diagram showing a system for explaining an authentication system for connection to a server providing particular information using a dedicated system, according to the present invention; and

FIG. 4 is a flow-chart view for explaining an authentication method for connection to a server providing particular information using a dedicated system, according to the present invention.

#### Best Mode for Carrying out the Invention

A preferred embodiment of the present invention will be described below with reference to the accompanying drawings.

Prior to describing an authentication system for connection to a server providing particular information by using a dedicated system, a plug and play (hereinafter referred to as PnP) function will be described below.

Since hardware devices which can be used in a PC are too diverse, it is not so easy for general PC users to mount a hardware device in their own PCs and make the PCs operate normally. Thus, it has been difficult to mount a new device and add a new function in order to enhance a PC performance



without consulting on a specialist, but a PnP specification which is a solution to solve the above problems was developed and is being widely used.

A PnP concept was developed due to a structural weak  
5 point of a PC. That is, the existing PC has no functions relating to a series of device automatic settings. According to the PnP function, if a user mounts hardware devices in a PC, then the PC recognizes the hardware mounting and sets items necessary for operations of the hardware  
10 devices without any involvement of the user, and informs an operating system of the set information to allow application programs to use the devices, respectively.

Before the advent of the PnP function, no one among hardware devices, operating system, and application  
15 programs which operate in a PC can see what are installed in the PC. Also, no one can inform users of collision occurring when two kinds of hardware devices intend to use the same system resources as a memory and a DMA. Accordingly, users should know the collision mechanism and investigate  
20 the collision reasons when the collision occurs. For this reason, a user supporting cost will increase gradually in view of the PC industry.

A PnP function is a design concept and simultaneously a new specification with respect to a PC structure. A final  
25 target of the PnP function is to allow users to automatically set and use hardware devices without any interference once the hardware devices are mounted in a PC. That is, if a new

device is mounted in a computer system, the computer system automatically sets an optimal state and enables application programs to use the newly set environment. To accomplish the above target, the following conditions should be considered on design.

In order to design a PnP function meeting the above conditions in a computer system, roles of all elements in the computer system such as a BIOS, an operating system, devices and device drives and how they perform mutual functions which relate to a system establishment process should be defined definitely.

At a process of turning on a system and initializing the system, a BIOS should set a device outputting minimum characters, a device processing a user input, and a device loading an initial program on a memory and inform an operating system of information involved with the device nodes.

The operating system finds out all the device nodes in the system in addition to the devices set in the initial process and resources required by the devices and continues to perform a setting procedure.

In the case that a system configuration is changed as in the case that a new device is mounted or the existing device is removed during operation of the system, a corresponding bus informs the operating system of the changed configuration in order to enable the operating system to perform a setting job necessary for the new

configuration.

The application program should find out information on the device newly added in the system and the device removed from the system. The reason is because a service  
5 with respect to the removed device should not be requested for.

The operational principle of the useful PnP function follows.

Referring to FIG. 1, if a PnP system in a PC is turned  
10 on, a BIOS 14 has an initiative according to a clock signal supplied from a clock provider 17, and investigates essential components such as a hard disc drive (HDD) 11' via a HDD controller 11, a floppy disc drive (FDD) 12' via a FDD controller 12, a VGA card 18, a mouse 15, a keyboard  
15 16 and a monitor 10, and then activates the PC to operate, to then hand over a controlling right to an operating system (OS).

The BIOS 14 recognizes each of the above components according to unique code recognizer perpetually recorded  
20 in an incorporated ROM and hands over the recognized results to the OS.

The OS investigates how many resources are required in what devices and determines what resources, for example, what interrupt (IRQ) functions and dynamic memory access  
25 (DMA) are assigned to each device according to the investigated results.

Finally, the OS searches for existence of disc drivers

for activating each device. If there is no disc drivers, the OS requests a user to install the disc drivers, while if there are disc drivers, information with respect to the resources in use is handed over to the drivers.

5       The drivers initialize each device and the system completes the booting. Then, a CPU 13 fetches, processes and stores programs and data with respect to a RAM 13'.

10       The present invention uses a PnP function which automatically recognizes each device and drives the recognized device when new devices are added and booted in the system. The present invention will be described with an example of a double monitor 10.

15       As shown in FIG. 1, the double monitor 10 includes a main screen monitor 10a and an auxiliary screen monitor 10b. The VGA card 18 supplying video signals for the double monitor 10 can be configured as a single unit or two units.

20       The main screen monitor 10a in the double monitor 10 is a monitor on which main contents processed by a user program are displayed and the auxiliary screen monitor 10b is a monitor on which a use environment indication and media indication of a user computer, a link (banner) linking web pages, advertises and so on are displayed. The contents processed for the auxiliary screen monitor 10b are displayed while interlocking with the main screen monitor 10a..

25       Meanwhile, PnP data recognized by the BIOS 14 via the VGA card 18 is displayed on the main screen monitor 10a and the auxiliary screen monitor 10b of the double monitor 10.

As shown in FIG. 2, basic data with respect to state information 19a and a model name 19b is input as the PnP data. In the present invention, data such as a product number 19c and a security code 19d is added.

5 Here, the product number 19c is a product ID representing a characteristic of the double monitor 10. The security code 19d is set and used together with the product number 19c, in order to a security of the double monitor 10, in addition to the product number 19c. That  
10 is, the above product number 19c and the security code 19d play a role of the existing ID and secret number (password), respectively.

The present invention inputs data capable of recognizing a characteristic of each monitor as PnP data  
15 of the double monitor 10, and utilizes the input data. Thus, the product number 19c and the security code 19d are normally input as PnP data in each controller (not shown) for controlling a monitor such as the main screen monitor 10a and the auxiliary screen monitor 10b of the double monitor  
20 10. However, as being the case, data of the product number 19c and the security code 19d can be additionally input into a single monitor, that is, into only the main screen monitor 10a as PnP data.

As shown in FIG. 3, in order to administrate each  
25 double monitor 10 of a plurality of user computers 40a-40c, a system server 30 is configured as follows.

The system server 30 includes a member database (DB)

37 storing data of a plurality of users, a member management server 36 for performing member registration and management via the member DB 37, an advertising DB 35 storing advertising data displayed on an auxiliary screen of the double monitor, an advertising server 34 for managing the  
5 advertises displayed on the double monitor according to the settings of an operator of the system server 30, a home page DB 33 storing data necessary for operation of the home page of the system server 30, and a web server 32 connecting the  
10 system server 30 to the Internet and managing the home page of the system server 30. In addition, the system server 30 includes an authentication code DB 39 storing authentication codes of the user computers, and a system authentication server 38 for managing the system  
15 authentication of the user computers.

The present invention having the above configuration will be described with reference to FIG. 5.

First, in order to perform the present invention, a double monitor 10, that is, a main screen monitor 10a and  
20 an auxiliary screen monitor 10b should be connected with each of the user computers 40a-40c. Also, the PnP data of the double monitor 10 additionally includes particular data capable of identifying a characteristic of the double monitor 10 such as the product number 19c and the security  
25 code 19d in addition to the existing state information 19a and the model name 19b as shown in FIG. 2.

When power is supplied to the user computers 40a-40c

each to which a double monitor 10 is connected and the double monitors 10 (S1), the BIOS 14 searches for the basic components as described above and enables the user computers to operate. Then, when an operating system is loaded into  
5 a main memory of each of the user computers (S2), the booted result is handed over to the operating system.

The operating system searches each device (S3), loads corresponding device drivers (S4), and ascertains whether the driver of the double monitor 10 is loaded (S5).

10 If the driver of the double monitor 10 is not loaded, the model name 19b is searched for via the PnP data of the double monitor 10 (S51), and the corresponding driver is installed (S52).

Meanwhile, if the monitor driver is loaded (S5) and  
15 then model name 19b is identified (S6), it is ascertained whether the user computers 40a-40c are connected to a network, that is, the Internet (S7). Then, the user computers 40a-40c are connected to the system server 30 providing contents which can be utilized via the double  
20 monitor 10 (S8).

Here, if the model name 19b is not identified and the computers are not connected to the Internet at the process of identifying the model name 19b and identifying the network connection, the power supply state of the double  
25 monitor 10 is maintained a turned-on state (S62) via a power-off flag, or is converted into a turned-off state (S63).

Here, the power-off flag is a function added in a driver software program of the double monitor 10, for identifying the model name 19c of the double monitor 10 and the network connection thereof when the system operates,  
5 to thereby set the operation state of the double monitor 10.

When the user computers 40a-40c are connected to the system server 30 via the Internet, the system authentication server 38 identifies whether the product number 19c exists  
10 via the authentication code DB 39 (S9).

The product number 19c to be identified by the system server 38 is judged by identifying the PnP data of the double monitor 10 as shown in FIG. 2.

If the product number 19c does not exist in the result  
15 of identification of the product number 19c, the system authentication server 38 requests the user to send the product number 19c via the respective user computers 40a-40c (S10), and enables the user to directly input the product number 19c (S11).

20 If the product number 19c is automatically recognized at the process of identifying whether the product number 19c exists, it is ascertained again whether the security code 19d exists (S12).

Likewise, if the security code 19d does not exist, an  
25 input of the security code 19d is requested for (S13), and the user is allowed to input the security code 19d (S14).

If the product number 19c and the security code 19d



are identified or input via the above processes, the product number 19c and the security code 19d are transmitted to the system authentication server 38, and compared with the data stored in the authentication code DB 39. Accordingly, a user authentication procedure is passed through (S16).

After performing the user authentication procedure via the double monitor 10 as described above, the video signal data displayed on the auxiliary screen monitor 10b of the double monitor 10 is transmitted via the advertising server 34 (S17), and maintains the display state so that the contents can be displayed on the double monitor 10 (S18).

At the user authentication step S16, a procedure for a member registration is preferably performed together with the registration of the product number 19c and the security code 19d with respect to the double monitor 10.

Meanwhile, in the embodiment of the present invention, the dedicated system according to the present invention is used as an example of use of the system server 30, in which case various contents which are provided via the system server 30 can be utilized only when the user computer is identified via the product number 19c.

However, even in the case that a general monitor not the above dedicated system, that is, the double monitor is used in a user computer, the user computer can restrictively utilize general information which is provided from the system server 30.

### Industrial Applicability

As described above, the present invention adds a function of generating an authentication code for a user computer which accesses a system server which provides contents of particular information to the user computer. Accordingly, contents can be completely used only when a dedicated system provided by a system server operator is used. However, the contents can be restrictively used without using the dedicated system. As a result, information can be utilized with only a dedicated system provided by the system server operator, to thereby maximize an advertising effect by enhancing an efficiency of advertises information included in the contents provided via the system server.

In other words, the present invention is not limited in the above-described embodiment. It is apparent to one who is skilled in the art that there are many variations and modifications, without departing off the spirit of the present invention.

What is claimed is:

1. An authentication system for connection to a particular information providing server using a dedicated system, the authentication system comprising:

5 at least one user computer connected to the Internet, for generating a registration code for authenticating the user computer necessary for a log-in process in order to receive information having a particular format; and

10 a system server which receives the registration code of the user computer and ascertains whether or not the user computer is registered, in the case that the system server is accessed by the user computer via the Internet.

15 2. The authentication system of claim 1, wherein said registration code generated in the user computer further comprises a product number and a security code as plug and play data which is used in order to automatically install a driver for each device of the user computer.

20 3. The authentication system of claim 1, wherein said system server comprises:

a member database (DB) storing data of a plurality of users;

25 a member management server for performing member registration and management via the member DB;

an advertising DB storing advertising data displayed on an auxiliary screen of the double monitor;

an advertising server for managing the advertises displayed on the double monitor according to the settings of an operator of the system server;

a home page DB storing data necessary for operation  
5 of the home page of the system server; and

a web server connecting the system server to the Internet and managing the home page of the system server.

4. The authentication system of claim 1, wherein said  
10 system server generates the registration code for authenticating the user computer if the user computer is turned on, requests the user computer connected to the system server to send the registration code to ascertain whether the user computer is a dedicated system which can  
15 use the contents of the system server if the user computer is connected to the Internet and accesses the system server providing particular information, and provides the information of the system server after ascertaining whether the user computer adopts the dedicated system which can use  
20 the information of the system server.

5. The authentication system of claim 1, wherein said user computer uses a double monitor including a main screen monitor which main contents processed by a user program are  
25 displayed and an auxiliary screen monitor on which a use environment indication and media indication of the user computer, a link (banner) linking web pages, advertises are

displayed.

6. The authentication system of claim 1 or 5, wherein said plug and play data used as the registration code uses  
5 plug and play data of the double monitor in the user computer.

7. An authentication method for connection to a particular information providing server using a dedicated  
10 system, the authentication method comprising the steps of:

generating a registration code for authenticating a user computer system if the user computer system is turned on;

requesting each user computer connected to a system  
15 server to send a registration code, if a user computer accesses the system server providing particular information via the Internet, thereby checking whether the user computer adopts a dedicated system which can use information of the system server; and

20 providing information of the system server to the user computer after ascertaining whether or not the user computer adopts the dedicated system which can use the information of the system server.

25 8. The authentication method of claim 7, wherein said registration code further comprises a product number and a security code as plug and play data which is used in order

to automatically install a driver for each device of the user computer, in said registration code generation step.

9. The authentication method of claim 7, wherein said  
5 user computer uses a double monitor including a main screen monitor which main contents processed by a user program are displayed and an auxiliary screen monitor on which a use environment indication and media indication of the user computer, a link (banner) linking web pages, advertises are  
10 displayed.

10. The authentication method of claim 7, wherein information provided via the system server can be completely used in the case that a dedicated system is used, while the  
15 information can be restrictively used if the user computer does not adopt the dedicated system, in the step of providing information of the system server after ascertaining whether the dedicated system capable of using the system server information is adopted in the user computer.

20

11. The authentication system of claim 3, wherein said system server further comprises an authentication code DB storing authentication codes of the user computers, and a system authentication server for managing the system  
25 authentication of the user computers.

FIG. 1

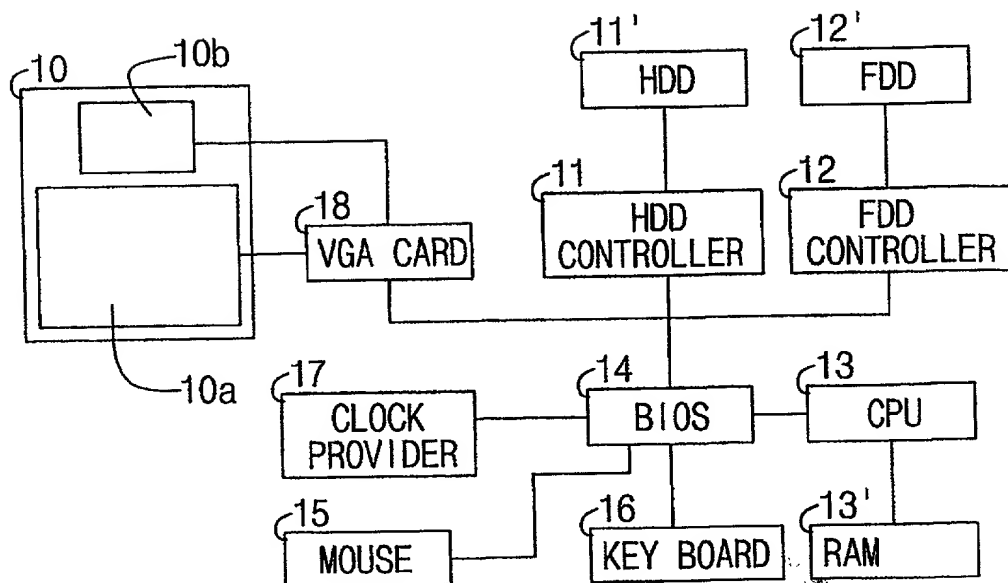


FIG. 2

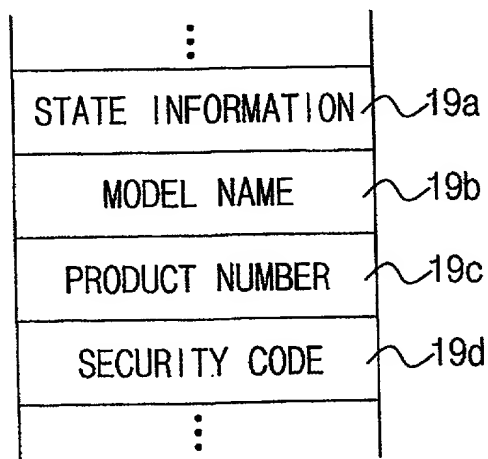


FIG. 3

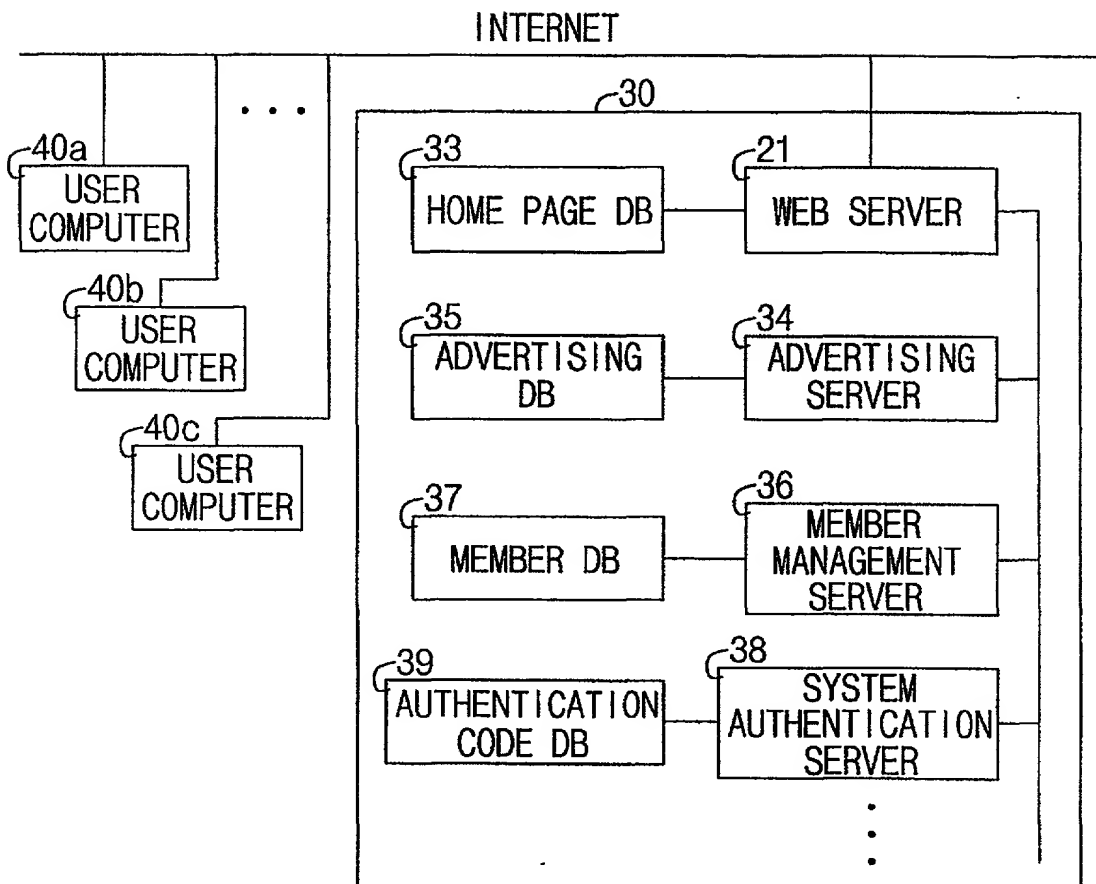
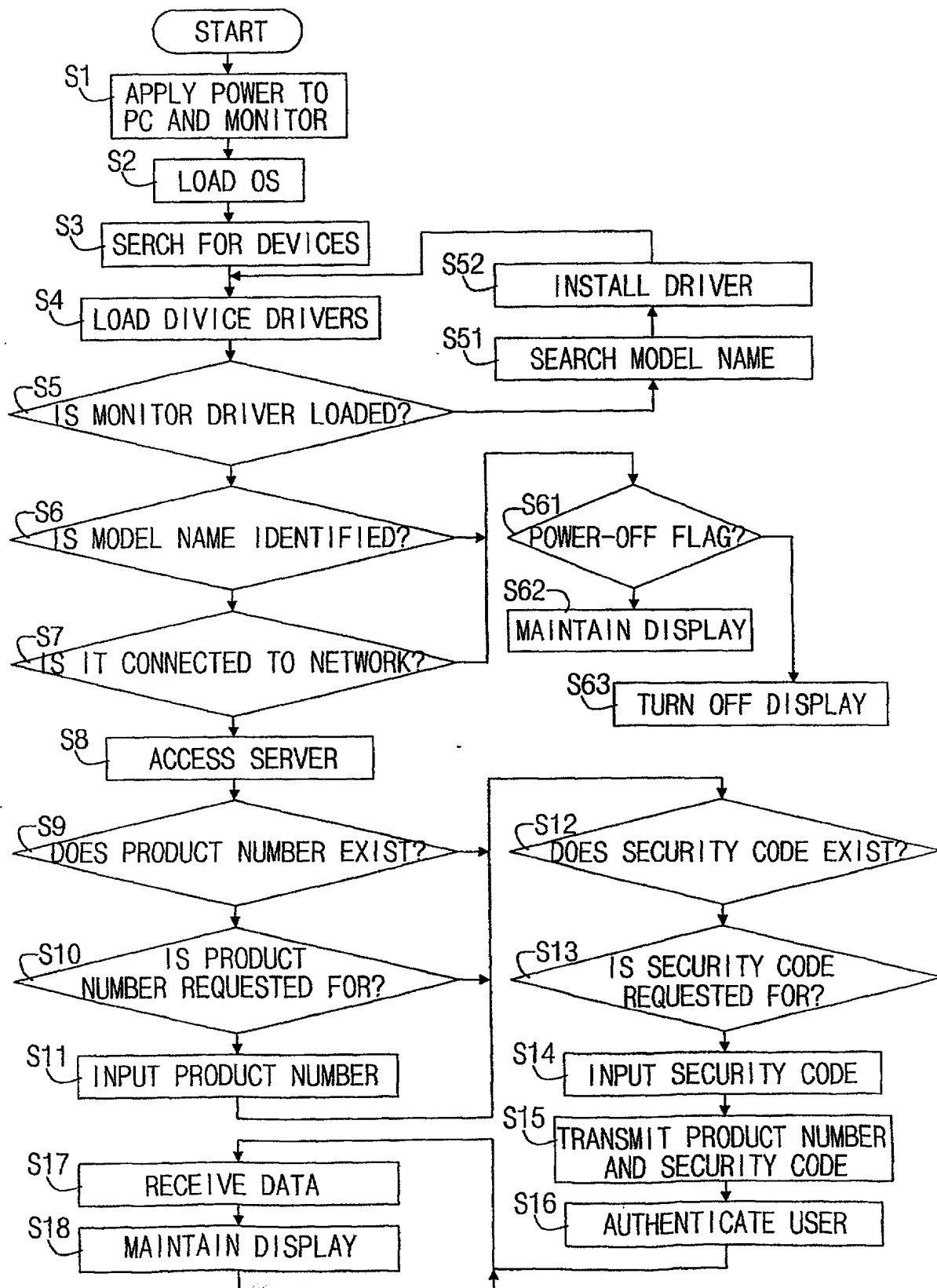




FIG. 4



## DECLARATION FOR PATENT APPLICATION

Docket Number (Optional)

MR2685-94

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **AUTHENTICATION SYSTEM FOR CONNECTING CLIENT TO SERVER PROVIDING PARTICULAR INFORMATION USING DEDICATED SYSTEM AND METHOD THEREFOR**, the specification of which is attached hereto unless the following box is checked:

☒ was filed on 13 June 2001 as United States Application Number or PCT International Application Number PCT/KR01/01015 and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR §1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority Not Claimed

2000-32486

KR

13 June 2000

(Number)

(Country)

(Day/Month/Year Filed)

☐

(Number)

(Country)

(Day/Month/Year Filed)

☐

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

(Application Number)

(Filing Date)

(Application Number)

(Filing Date)

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

(Application Number)

(Filing Date)

(Status-patented, pending, abandoned)

(Application Number)

(Filing Date)

(Status-patented, pending, abandoned)

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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Full name of second joint inventor, if any (given name, family name) \_\_\_\_\_

Second Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

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☐ Additional Inventors are being named on separately numbered sheets attached hereto.